

S/057/62/032/008/001/015  
B104/B102

Study of the particle motion...

characterize the deviations in radial and vertical direction,  $\Delta f(\theta)$  describes the deviations from the ideal field distribution. The general solution of this equation leads to the equation for the disturbed orbit and to a study of the distortions that arise when disturbances occur in some sectors of the synchrotron. Such distortions were determined experimentally with the aid of seven special targets built into the accelerator chamber. Good agreement was obtained between experimental and theoretical results. The equation of motion  $\ddot{\xi} + v^2 \dot{\xi} = F$ , which holds if an external force  $F$  (electrical field strength  $E$ ) exists, producing a forced oscillation, if

$$F = \frac{eE\omega}{m_0} \cos\left(\frac{\Omega}{\omega_0} \theta - \gamma_i\right) \delta(\theta - \theta_i), \quad (15)$$

(uniform field with azimuthally localized action), furnishes

$$\xi(\theta) = \frac{v^2}{2\omega_0^2 E} \sum_{n=-\infty}^{\infty} \frac{\sin\left[\frac{\Omega}{\omega_0} \theta + \gamma_i + n(\theta - \theta_i)\right]}{v^2 - \left(\frac{\Omega}{\omega_0} + n\right)^2}. \quad (16)$$

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Study of the particle motion...

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B104/B102

Resonance with the free oscillations occurs at frequencies of the external field that satisfy the conditions  $v_\xi^2 - (\frac{\Omega}{\omega_0} + j)^2 = 0$  ( $\Omega$  - circular frequency of  $\xi$ ;  $\xi_i$  - initial phase;  $\omega_0$  - particle revolution frequency;  $\theta_i$  - azimuth at which the h-f field acts; E - particle energy). The resonances were excited with the aid of two plates, one above and one below the beam to which the high-frequency voltage (5 - 60 mcps) was applied. Vertical and radial oscillations of the beam could be excited. The intensity distributions of the beam under different operational conditions and with different frequencies of the voltages applied to the plates were studied. There are 4 figures and 1 table.

SUBMITTED: July 28, 1961

Card 3/3

ZHURAVLEV, A. A.

"Study of the Conditions of Flowering and Pollination of Alfalfa."  
Cand Agr Sci, Saratov Agricultural Inst, Saratov, 1953.  
(RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

PHASE I BOOK EXPLOITATION

SOV/4993

Zhuravlev, Anatoliy Andreyevich, and Klementiy Borisovich  
Mazel'

Preobrazovateli postoyannogo napryazheniya na tranzistorakh  
(Transistorized D-C Converters and Inverters) Moscow,  
Gosenergoizdat, 1960. 77 p. 62,000 copies printed.  
(Series: Massovaya radiobiblioteka, vyp. 357)

Editorial Board: Berg, A. I., Burdeynyy, F. I., Burlyand,  
V. I., Vaneyev, V. I., Genishta, Ye. N., Dzhigit, I. S.,  
Kanayeva, A. M., Krenkel', E. T., Kulikovskiy, A. A.,  
Smirnov, A. D., Tarasov, F. I. and Shamshur, V. I.; Ed.:  
P. A. Popov; Tech. Ed.: N. I. Borunov.

PURPOSE: This booklet is intended for radio amateurs  
acquainted with semiconductor devices.

COVERAGE: The booklet examines basic problems related to the  
operation and design of the more commonly used transistor-  
ized converter and inverter systems. The booklet contains  
data on numerous semiconductor and some electric vacuum

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## Transistorized D-C (Cont.)

SOV/4993

devices which are used in the converter and inverter systems. Ch. IV. reviews certain circuits which make it possible to use the converters not only for voltage conversion but also for other purposes. Ch. I. was written by A. A. Zhuravlev, and chs. II, III, and IV by K. B. Mazel'. No personalities are mentioned. There are 9 references, all Soviet (including 1 translation from English).

## TABLE OF CONTENTS:

## Foreword

Ch. I. D-C Converters and Inverters	3
1. Types of converters and inverters	5
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Card=2/4

ZHURAVLEV, A. A.

VOLKOV, V. V. (Lecturer) and ZHURAVLEV, A. A. (Doctor, Department of Pathological Physiology. Uzbek State Agricultural Institute). About the anæsthesia in sheep.

So: Veterinariya; 23; 4; April 1946; Unclassified.  
TABCON

IFRUSSI, Mikhail Mikhaylovich; ZHURAVLEV, A.A., red.; MEDVEDEV, L.Ya.,  
tekhn.red.

[Stabilivolts and neon tubes] Stabilitrony i neonovye lampy.  
Moskva, Gos. energ. izd-vo, 1958. 63 p. (Massovaja radiobiblioteka,  
no. 289) (MIRA 11:5)

(Voltage regulators) (Neon tubes)

ZHURAVLEV, A.A., kand.sel'skokhozyaystvennykh nauk; SMIRNOV, M.N., kand.  
sel'skokhozyaystvennykh nauk

Effect of gibberellin on the growth and development of corn.  
Agrobiologija nb. 3:390-396 My-Je '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni  
V.R. Vil'yamsa, st. Lugovaya, Moskovskaya oblast'.  
(Corn (Maize)) (Gibberellin)

ZHURAVLEV, Anatoliy Andreyevich; MAZEL', Klementiy Borisovich; POPOV,  
P.A., red.; BORUNOV, M.I., tekhn.red.

[Direct current converters using transistors] Preobrazovateli  
postoianogo napriashenia na tranzistorakh. Moskva, Gos.energ.  
izd-vo, 1960. 77 p. (Massovaia radiobiblioteka, no.357)

(Electric current converters)

(Transistors)

(MIRA 13:2)

1. ZHURAVLEV, A. F.
2. USSR (600)
4. Railroad Engineering
7. Mechanization of arduous work on the railroads. Mekh.trud.rab. 6 no. 11, 1952.
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

L 32810-65 EMT(d)/ECO-2/EM-2  
ACCESSION NR: AP5005578

S/0106/65/000/002/0116/0013

AUTHOR: Zhuravlev, A. G.; Alekseyevskiy, L. T.; Relyutin, V. V.

TITLE: Functioning of a phase AFC system with modulated signals and noise

SOURCE: Elektrosvyaz', no. 2, 1965, 15-23

TOPIC TAGS: AFC system

A theoretical and experimental investigation of a typical phase AFC system operating under fluctuation noise and interference with both AM and FM received signals were tested. The effect of the system parameters and signal characteristics upon the system lock-in band was investigated, as well as the system noise immunity. Integrating and proportionally integrating low-pass filters (PIF) for the incoming signals were used. Residual detuning caused by external noise was accepted as a measure of the noise immunity of the system. These results were obtained with AM signals: (i) The lock-in band, when an RC filter and PIF are

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ised, decreases with an increase of the time constant of the low-pass filter;  
(2) With equal time constants, PIF yields a wider lock-in band than the RC-filter;  
(3) The lock-in band depends only slightly on the modulation frequency at low lock-in frequencies. With FM-sweep, the lock-in band increases with an increase in

bandwidth and with higher modulation index. The lock-in band increases depending on the type of I.F. filter used. Other considerations are reported. Org. and date of preparation and information.

ASSOCIATION: none

SUBMITTED: 10Jul64

ENCL: 00

SUB CDR: EG, DC

NO REF SOV: 007

OTHER: 000

Card 2/2

b2(3)

SOV/174-58-5-30/37

AUTHOR: Zhuravlev, A.G., ColonelTITLE: The Team Work of the Batteries (Slazhivaniye batarei)PERIODICAL: Artilleriyskiy zhurnal 1958, Nr 5, pp 38-43 (USSR)

ABSTRACT: The author describes the methods of attaining efficient work of a gun, platoon or a battery team. From the drilling of an individual member, the training should pass on to the drill of the whole gun team and later, to the drill of a platoon and battery teams. The platoon and battery commanders should supervise the training of each of their subordinate units in turn. All faulty or unnecessary movements must be immediately corrected or eliminated and the drill repeated as many times as necessary until it is perfectly correct. Each member of the team must be trained in the function assigned to him such as: reconnaissance scout, computer operator, rangefinder, gunner, assistant gunner,

Card 1/2

TIKHONOV, V.I.; ZHURAVLEV, A.G.

Concerning the operation of synchronization devices in the presence of large noise. Radiotekhnika 17 no.9:40-48 S '62.

(MIRA 15:9)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrorvayazi imeni Popova.  
(Frequency regulation)  
(Oscillators, Electron-tube)

ZHURAVLEV, A.G.; SAVITSKIY, A.Ye.

Safe mining of rise headings. Bez.truda v prom. 6 no.1:31-32 Ja  
'62. (MIRA 15:1)  
(Mining engineering--Safety measures)

24-7500 (1144)

21.7100

29b03  
S/055/61/000/006/005/006  
D251/D305AUTHOR: Zhuravlev, A.G.

TITLE: On determining stress and strain in light metals under neutron irradiation

PERIODICAL: Moscow. Universitet. Vestnik. Seriya I, Matematika, Mekhanika, no. 6, 1961, 54 - 58

TEXT: The author considers the condition of a light metal under neutron irradiation, assuming that the mechanism of formation of twin Fraenkel defects predominates, and that the following hypotheses hold: 1) The drop in the neutron current is proportional to the energy and thickness of the layer; 2) The properties of a body at a point P depend on the radiation dosage at P. Atoms of inclusions or vacancies are regarded as (positive or negative) centers of pressure. A body with a given dispersion of centers of pressure  $v(\xi, \eta, \zeta)$  is considered. Then at the point  $(x, y, z)$  the displacement potential is given by

$$U(x, y, z) = \iiint_V \frac{v(\xi, \eta, \zeta)}{r} d\xi d\eta d\zeta \quad (5)$$

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S/055/61/000/006/005/006  
D251/D305

On determining stress and strain ...

$$r = \sqrt{(x - \xi)^2 + (y - \eta)^2 + (z - \zeta)^2} \quad (5)$$

In the case of a light metal, where the "intensity" equals  $-ap$  ( $p =$  pressure,  $\alpha = \text{const}$ ) the displacement potential is given by  $(1 - \alpha) U(x, y, z)$ . If the displacement  $u$  has components  $u_1, u_2, u_3$ , then for a body of infinite dimensions, the stress is given by

$$\sigma_{ij}^{oo} = 2\mu \frac{\partial u_i^{oo}}{\partial x_j}.$$

Further formulae are given to adapt the above for finite bodies with certain boundary conditions, and for the case of a radial neutron stream. [Abstractor's note: Significance of  $\mu$  is not clear in the above equation. Immediately before it is used in conjunction with  $\lambda$  as a Lami constant, but earlier in the article  $\mu = \sigma n_0$  where  $\sigma$  is the effective section, and  $n$  the number of nuclei per cc]. The article concludes with a discussion of intensity. There are 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: I.D. Eshelby:

Card 2/3

On determining stress and strain ...

29403

S/055/61/000/005/005/006

D251/D305

Distortion of a Crystal by Point Imperfections, J. Appl. Phys., 25,  
255-261, 1954; H.H. Huang, X-ray Reflections from Dilute Solutions,  
Proc. Roy. Soc. A, 190, 102, 117, 1947.

ASSOCIATION: Kafedra teorii uprugosti (Department of the Theory of  
Elasticity)

SUBMITTED: January 7, 1961

Card 3/3

ZHURAVLEV, A.G.

Determining stress and deformation states of light metals under  
neutron irradiation. Vest. Mosk. un. Ser.1 : mat., mekh.16  
no.6:54-58 N-D '61. (MIRA 14:11)

1. Kafedra teorii uprugosti Moskovskogo universiteta.  
(Strains and stresses)  
(Metals, Effect of radiation on)  
(Neutrons)

10-7000  
S/055/62/000/006/003/006  
D251/D308

AUTHOR: Zhuravlev, A.G.

TITLE: On a condition of simple loading in an inhomogeneous medium

PERIODICAL: Moscow. Universitet. Vestnik. Seriya I. Matematika, mekhanika, no. 6, 1962, 39-42

TEXT: The behavior of elastic-plastic homogeneous media is of importance, since modern constructions often operate under conditions of a large fall in temperature and the action of radiation. Following W. Olszak (Bull. PAN, part 4, v. 4, no. 1, 1956) and V.S. Lenskiy (Inzh. sb., v. 28, 1960), the author generalizes the method of small elastic-plastic deformations to the case of a non-uniformly heated body. A solution is proposed in the form

$$\begin{aligned} x_x &= \lambda \bar{x}_x, \dots; & \sigma_i &= \lambda \bar{\sigma}_i, & u &= \mu \bar{u}, \\ e_{xx} &= \mu \bar{e}_{xx}, \dots; & e_i &= \mu \bar{e}_i, & v &= \mu \bar{v}, \\ & & & & w &= \mu \bar{w}, \end{aligned} \quad (5)$$

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D251/D308

On a condition ...

where  $(x, y, z)$  are the massive forces,  $(X_0, Y_0, Z_0)$  are the surface forces;  $T(x, y, z)$  is the temperature,  $\sigma_i$  is the intensity of stress,  $e_i$  the intensity of deformation,  $\lambda(t)$  and  $\mu(t)$  are parameters depending on time, and the bars indicate components occurring in the solution of the elastic-plastic equilibrium of a body of arbitrary form. It is shown that the following conditions are sufficient for simple loading at every point of a non-uniformly heated body: 1) the material is incompressible; 2) the vectors of surface forces and massive forces vary in proportion to  $\lambda$  while the product  $\alpha(T)T$  varies in proportion to  $\mu$  ( $\alpha$  is the coefficient of linear expansion); 3) it is possible to write  $\sigma_i = f(T, e_i) + \sigma_0 e_i$ , where  $\sigma_0$  and  $x$  are constants of the material, and  $f(T, e_i) = f(T, \bar{e}_i)$ . The case of a 'regular' regime of heating, when the solution of the problem of thermal conductivity may be approximated by  $T(x, y, z, t) = g(t) + n(t)\bar{T}(x, y, z)$  is considered. Such regimes are often met with in practice. It is stated without proof that the necessary condition for a solution of the form (5) to exist is, as in the case of a homogeneous medium  $\mu = \lambda 1/x$ . Similar results will be obtained for the case when the non-homogeneity is produced by non-uniform

Card 2/3

On a condition ...  
radiation.

8/055/62/000/006/003/006  
D251/D308

ASSOCIATION: Kafedra teorii uprugosti (Department of the Theory  
of Elasticity)  
SUBMITTED: March 27, 1961

Card 3/3

ZHURAVLEV, A.G.

A condition for simple loading in an inhomogeneous medium.  
Vest. Mosk. un. Ser. 1:Mat., mekh. no.6:39-42 N-D '62.  
(MIRA 16:2)

1. Kafedra teorii uprugosti Moskovskogo universiteta.  
(Elasticity)  
(Strains and stresses)

ZHURAVLEV, A.G.

Deformed state of an irradiated body. Vest. Mosk. un. Ser. 1:  
Mat., mekh. 17 no.4:58-62 Jl-Ag '62. (MIRA 15:7)

1. Kafedra teorii uprugosti Moskovskogo universiteta.  
(Solids, Effect of radiation on)  
(Dislocations in crystals)

ZHURAVLEV, A.G.; ALEKSEYEVSKIY, I.T.; REVYAKIN, V.V.

Operation of an automatic phase frequency control system with  
modulated signals and presence of interference. Elektrosviax'  
19 no.2:15-23 F '65. (MIRA 18:3)

ZHURAVLEV, A.I., Cand Biol Sci —(diss) "Radiation effect <sup>up</sup> on lipida  
and lipid model of the prophylactic effect." Mos, 1959. 14 pp  
(Acad ~~of~~ Med Sci USSR), 250 copies (KL,32-59, 101)

-//-

ZHURAVLEV, A.I.; GANASSI, Ye.E.

On chain reactions in liver lipids in radiation injury. Voen.-med.  
zhur. no.8:32-37 Ag '59. (MIRA 12:12)  
(RADIATION INJURY metab.)  
(LIPIDS metab.)  
(LIVER radiation eff.)

ZHURAVLEV A.I.

23

PHASE I BOOK EXPLOITATION SOV/5628

Akademiya nauk SSSR. Institut biologicheskoy fiziki

Rol' perekisey i kisloroda v nachal'nykh stadiyakh radiobiologicheskogo effekta (Role of Peroxides and Oxygen During Primary Stages of Radiobiological Effects) Moscow, 1960. 157 p. 4,500 copies printed.

Responsible Ed.: A. M. Kuzin, Professor; Ed. of Publishing House: K. S. Trincher; Tech. Ed.: P. S. Kashina.

PURPOSE : This collection of articles is intended for scientists in radiobiology and biophysics.

COVERAGE: Reports in the collection deal with the role of peroxides and oxygen in the primary stages of a radiobiological effect. They were presented and discussed at a symposium held December 25-30, 1958, organized by the Institut biofiziki AN SSSR, (Institute of Biophysics, AS USSR). Twenty-eight Moscow scientists, radiobiologists, radiochemists, physicists, and

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## Role of Peroxides and Oxygen (Cont.)

SOV/5628

physical chemists took an active part in the symposium. Between the time of its conclusion and the publication of the present book some of the materials were expanded. In addition to the authors the following scientists participated in the discussion: L. A. Tumerman, V. S. Tongur, G. M. Frank, Yu. A. Kriger, E. Ya. Grayevskiy, N. N. Demin, B. N. Tarusov, and I. V. Voroshchenskiy. References follow individual articles.

## TABLE OF CONTENTS:

Kuzin, A. M. [Institut biologicheskoy fiziki AN SSSR - Institute of Biophysics, AS USSR]. Role of Formation of Peroxides During the Action of Radiation on Biological Specimens	3
Bakh, N. A. [Institut elektrokhimii AN SSSR - Institute of Electrochemistry, AS USSR]. Formation of Organic Peroxides Under the Action of Radiation	9
Dolin, P. I. [Institute of Electrochemistry, AS USSR]. Lifetime of Intermediate States Arising During the Action of Radiation on Aqueous Solutions Caro-25	20

## Role of Peroxides and Oxygen (Cont.)

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Kolomiytseva, I. K., and A. M. Kuzin [Institute of Biophysics, AS USSR]. Lipid Peroxides in a Normal and in an Irradiated Animal Organism

26

Kuzin, A. M., L. M. Bronskaya, N. M. Berezina, and V. A. Yazykova [Institute of Biophysics, AS USSR]. Formation of Peroxides in Gamma-Irradiated Plant Seeds

33

Zhulanova, Z. I., I. A. Korovina, and Ye. F. Romantsev. Formation of Organic Peroxides in an Organism During Irradiation on an X-Ray Apparatus With a Dose Rate of 130 r/sec

43

Zhuravlev, A. I. Role of Antioxidants in Primary Radiobiological Effects

55

Mikhlin, D. M. (Deceased) [Institut biokhimii im. A. N. Bakh AN SSSR - Institute of Biochemistry imeni A. N. Bakh, AS USSR]. Effect of Ionizing Radiation on Oxidation-Reduction Reactions in a Cell

67

Card 3/5

ZHURAVLEV, A.I.; BENEVOLENSKIY, V.N.; PETROV, R.V.

Possible mechanism of the preventive activity of antibiotics in  
radiation injury. Antibiotiki 5 no.6:87-91 N-D '60. (MIRA 14:3)  
(ANTIBIOTICS) (RADIATION PROTECTION)

ZHURAVLEV, A. I. (Moskva)

Antioxidizing effect of antibiotics. Vop. pit. 19 no. 4870-71  
Jl-Ag '60. (MIRA 13811)  
(ANTIBIOTICS) (ANTIOXIDANTS)

ZHURAVLEV, A.I., TARUSOV, B.N., POLIVODA, A.I.

"Detection of Very Low Intensity Radiations from Animal Tissues, Their Mechanism and Kinetics."

report presented at the Intl. Biophysics Congress, Stockholm, Sweden,  
31 July - 4 August 1961.

Department of Biophysics, Moscow State University, Moscow, USSR.

POLIVODA, A.I.; TARUSOV, B.N.; ZHURAVLEV, A.I. (Moskva)

Luminescence of skeletal formations under the influence of  
radiation. Med.rad. no.10:90 '61. (MIRA 14:10)  
(RADIATION-PHYSIOLOGICAL EFFECT) (BONES)  
(LUMINESCENCE)

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.

Detection of chemoluminescence in the liver of irradiated mice.  
Radiobiologija 1 no.1:150-151 '61. (MIRA 14:7)  
(X RAYS—PHYSIOLOGICAL EFFECT)  
(PHOSPHORESCENCE)

ZHURAVLEV, A.I., POLIVORN, A.I.; TARUSOV, B.N.

Mechanism of radical and peroxide inactivation by natural tissue  
antioxidants. Radiobiologija 1 no.3:321-324 '61. (MIRA 14:10)  
(ANTIOXIDANTS) (RADICALS(CHEMISTRY)) (PEROXIDES)

ZHURAVLEV, A.I., inzh.

Electrochemical means of supporting the swelling ground of  
mine bottoms in Czechoslovakia. Shakht. stroi. 5 no.10:29  
O '61. (MIRA 16:7)

(Czechoslovakia—Mining engineering)

ZHURAVLEV, A.I.; LOMOVA, M.A.; BENEVOLENSKIY, V.N.

Toxicity of irradiated and oxidized fats. Med. rrd. 6 no. 2:46-52  
'61. (MIRA 14:3)

(FATS—TOXICOLOGY) (RADIATION)

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.

Study of extremely weak spontaneous luminescence in animal cells.  
Biofizika 6 no.4:490-492 '61. (MIRA 14:7)  
(PHOSPHORESCENCE)

ZHURAVLEV, A.I. (Moskva)

Effect of  $\gamma$ -irradiation on sunflower oil. Vop. pit. 20 no.2:65-69  
Mr-Ap '61. (MIRA 14:6)

(SUNFLOWER SEED OIL)  
(GAMMA RAYS—PHYSIOLOGICAL EFFECT)

ZHURAVLEV, H. I.

(c)  
Radical Formation by Irradiation in Living Cells

MIRKAYLOVA

V. N. Benevolensky, A. I. Shuravlev, A. A. Mikhalkova,  
B. N. Tarusov and D. V. Leonov

The amount of free radicals in organs of rats and in cells cultured *in vitro* during and after irradiation has been studied.

Radicals were determined using the method Koslov-Tarusov. Intracellular polymerisation was measured by the use of low toxicity water-soluble monomers of the polyvinyl and acrilo nitrate groups. The monomers were introduced into cells at different intervals before and after irradiation. In addition, peroxide radicals in living cells

were determined for very low intensity radiations (Shuravlev). Both methods have some advantage over the paramagnetic resonance method since living cells are used.

It was shown that the radiation-induced free radicals in living cells are either oxidative or non-oxidative, and that radical formation continues after irradiation. The ratio of oxidative to non-oxidative radicals is reduced with increasing ionisation density.

The kinetics of radical formation in living cells were studied as a function of dose and time.

Scientific Association of Radiobiologists, Academy of Sciences of the USSR, Moscow

report presented at the 2nd Intl. Congress of Radiation Research,  
Harrogate/Yorkshire, Gt. Brit., 5-11 Aug. 1962

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.; SEKAMOVA, Ye.N.

Ultraweak spontaneous luminescence in animal tissues. Tsitologiya 4 no.6:696-699 N-D'62 (MIRA 17:3)

1. Akademiya meditsinskikh nauk SSSR, Moskva.

ZHURAVLEV, A.I.

Determination of free radicals in fats. Zhur. prikl. khim.  
35 no.5:1153-1155 My '62. (MIRA 15:5)  
(Oils and fats) (Radicals (Chemistry))

ZHURAVLEV, Aleksandr Ivanovich, kand. biolog. nauk; VESLOVSKIY,  
Vladimir Aleksandrovich; SOROKO, Ya.I., red.; ATROSHCHENKO,  
L.Ye., tekhn. red.

[Bioluminescence] Zhivoe sveschenie. Moskva, Izd-vo "Znanie,"  
1963. 45 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya:  
Biologiya i meditsina, no.9) (MIRA 16:5)  
(Bioluminescence)

ZHURAVLEV, A.I.; TARUSOV, B.N.

Mechanism of the protective antioxidative action of some sulfur-containing compounds. Radiobiologija 2 no.2:177-180 '62.

(ANTIOXIDANTS)

(SULFUR COMPOUNDS)

(MIRA 15:4)

ZHURAVLEV, A.I.

Lipid model of radiation injury and antiradiation prophylaxis.  
Trudy MOIP. Otd. biol. 7:93-101 '69. (MIRA 16:11)

BENEVOLENSKIY, V.N.; ZHURAVLEV, A.I.

Study of the radioprotective action of phenoxazine derivatives.  
Radiobiologija 3 no.5:745-748 '63. (MIRA 17:4)

ZHURAVLEV, A.I.; KORZHENKO, V.P.

Chemiluminescence of lipids and the rate of growth of Pacific  
Ocean salmon. Dokl. AN SSSR 152 no.2:457-460 S '63.

(MIRA 16:11)

1. Predstavлено академиком Ye.N. Pavlovskim.

ZHURAVLEV, A.I.; FILIPOV, Yu.N.; SIMONOV, V.V.

Chemiluminescence and antioxidant properties of human lipids.  
Biofizika 9 no.6:671-677 '64. (MIRA 18:7)

1. Institut biofiziki Ministerstva zdravookhraneniya SSSR, Moskva.

ZHURAVLEV, A.I.; VESELOVSKIY, V.A.; KOSHCHEYENKO, N.N. (Noikra)

Bioluminescence and chemiluminescence of some organic compounds.  
Usp. sovr. biol. 60 no.2:178-197. S-O '65. (MIRA 18:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut kurortologii i  
fizioterapii Ministerstva zdravookhraneniya SSSR.

L 33674-66 EWT(1) IJP(c)  
ACC NR: AP6004994

SOURCE CODE: UR/0221/65/060/002/0178/0197

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B

AUTHOR: Zhuravlev, A. I.; Veselovskiy, V. A.; Kashcheyenko, N. N.

ORG: Central Scientific Research Institute of Health Resorts and  
Physical Therapy of the Ministry of Health SSSR (Tsentral'nyy nauchno-  
issledovatel'skiy institut kurortologii i fizioterapii Ministerstva  
zdravkhraneniya SSSR)

TITLE: Bioluminescence and chemiluminescence of some organic compounds

SOURCE: Uspekhi sovremennoy biologii, v. 60, no. 2, 1965, 178-197

TOPIC TAGS: animal, plant, luminescence, chemiluminescence,  
biochemistry, free radical

ABSTRACT: The present article based on the literature discusses the physical bases of luminescence, chemiluminescence of organic compounds, the nature of luciferin-luciferase reactions, luminescence of higher plants and animals, and the importance of luminescence. The bioluminescent mechanism appears to be related to free radical reactions. Almost all types of bioluminescence and chemiluminescence require an energy substrate (electron donor), catalyst, donor acceptor (generally oxygen) and a luminescent substance (activator). The

Card 1/2

L 33674-66

ACC NR: AP6004994

position that bioluminescent energy is lost and cannot be utilized by the bioluminescent system itself probably also applies to chemiluminescence. Bioantioxidants increase bioluminescence by protecting the luminescent systems from autoxidation. Spectroscopically, chemiluminescence and bioluminescence are broad bands of continuous light without lines, with maxima in various regions of the visible spectrum. Orig. ert. has: 4 figures.

SUB CODE: 06, 07/ SUBM DATE: none/ ORIG REF: 047/ OTH REF: 117

Card 2/2 *VBB*

ZHURAVLEV, A.I.; FILIPPOV, Yu.N.; SIMONOV, V.V.

Mechanism of chemiluminescence of lipids in man. Biofizika 10 no.2,  
246-251 '65. (MIRA 18:7)

ZHURAVLEV, A.I.

Foreword. Trudy MOIP. Otd. biol. 21:5-6 '65.

Anomaly of lipid chemiluminescence. Trudy MOIP. Otd. biol. 21:133-134. '65.

Problems of bioluminescence. Ibid.:184-193 (MIRA 18:6)

ZHURAVLEV, A.I.; VESLOVSKIY, V.A.; KOSHCHENKO, N.V.

Bioluminescence. Trudy MOIP. Otd. biol. 21:19-50 '65.  
(MIRA 18:6)

ZHURAVLEV, A.I.; FILIPPOV, Yu.N.; SIMONOV, V.V.

Chemiluminescence and antioxidative properties of human lipids.  
Trudy MOIP. Otd. biol. 21:75-89 '65. (MIRA 18:6)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065020005-1

TARUSOV, B.N.; ZHURAVLEV, A.I.

Biochemiluminescence of lipids. Trudy MIIP. Oti. bioi.  
21:125-132 '65. (MIRA 18:6)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065020005-1"

PAVLUSHKIN, N.M.; ZHURAVLEV, A.K.; EYTINGON, S.I.

Enameling jewelry made of aluminum. Stek. 1 ker. 18 no. 7:35-37  
Jl '61. (MIRA 14:7)  
(Jewelry) (Enamel and enameling) (Aluminum)

L 11169-66 ACC NR. AP5000369	EMP(e)/EMI(m)/EMP(l)/ETC(m) 44	WW/VH 44	SOURCE CODE: VH/0285/65/00/021/0077/0077 15
AUTHORS: Pavlushkin, N. M.; Zhuravlev, A. K.			55 GB
ORG: none	1-44		
TITLE: Enamel for coating glass. Class 46, No. 176153			
SOURCE: Byulleten' izobretensiy i tovarnykh znakov, no. 21, 1965, 77			
TOPIC TAGS: paint, protective coating, glass, lead oxide, silicon dioxide, boron compound, sodium compound			
ABSTRACT: This Author Certificate presents an enamel for coating glass. The enamel contains lead oxide, quartz, and boric anhydride. To increase its alkalinity and its adhesion to glass, the enamel contains (wt %): PbO 60--70; SiO <sub>2</sub> 30--40; B <sub>2</sub> O <sub>3</sub> up to 10; Na <sub>2</sub> O up to 15.			
SUB CODE: 11/	SUBM DATE: 18Apr64		
GC		UDC: 666.293.5	
Card 1/1			

ZHURAVLEV, A.M.; KAZAVCHINSKIY, Ya.Z.

Thermodynamic properties of propyl alcohol. Zhur.fiz.khim. 37  
no.1:181-183 Ja '63. (MIRA 17:3)

1. Odesskiy institut inzhenerov morskogo flota.

VOLODIN, P.A.; ZHURAVLEV, A.M.; IOFAN, B.M.; KADINA, I.O.; PEKAREVA,  
N.A.; STRIGALEV, A.M.; MINERVIN, G.B., red.; OSIMEDETS, Z.M.,  
red.; PAVLENKO, M.V.; BEUSINA, A.N., tekhn.red.

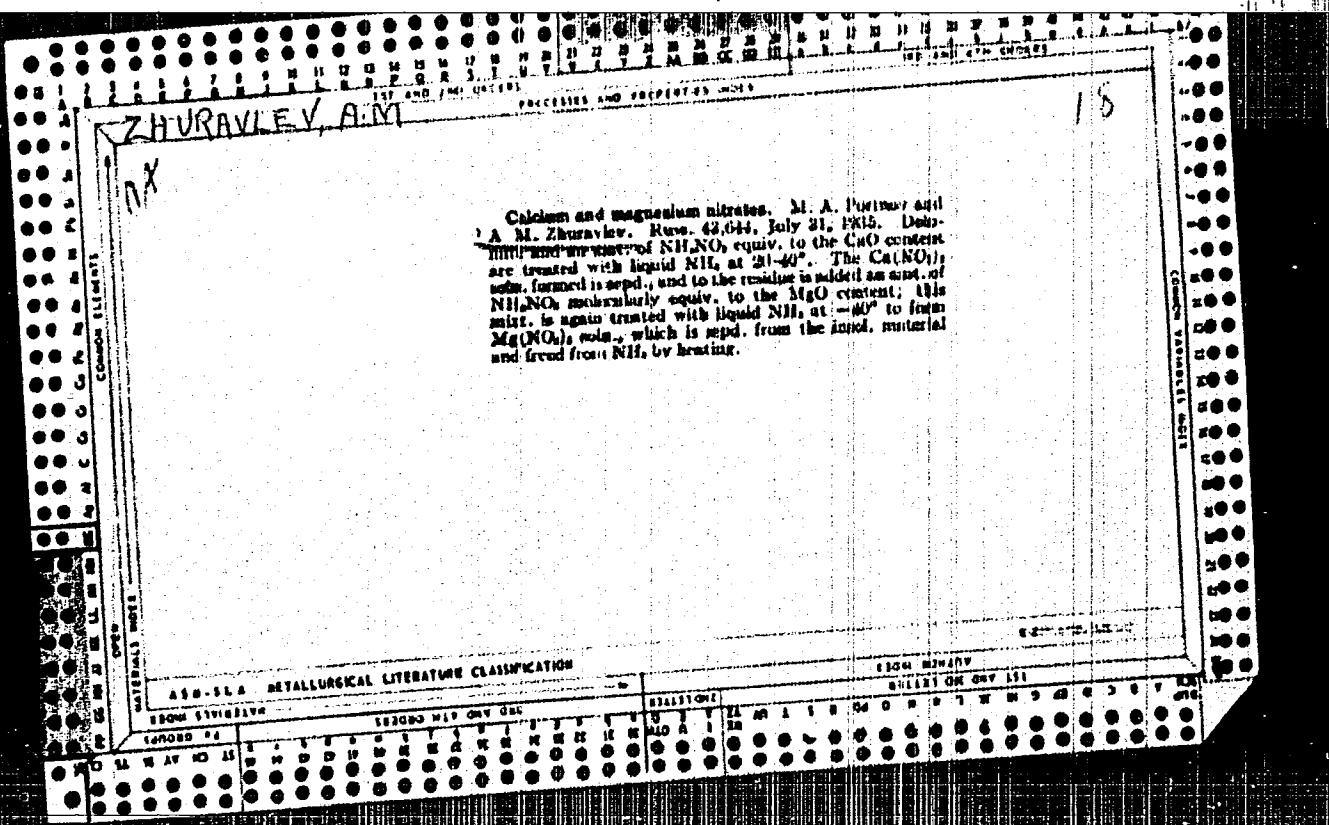
[New districts of Moscow] Novye raiony Moskvy. Moskva, Gos.  
izd-vo lit-ry po stroyt., arkhit. i stroyt.materialam, 1960.  
284 p.

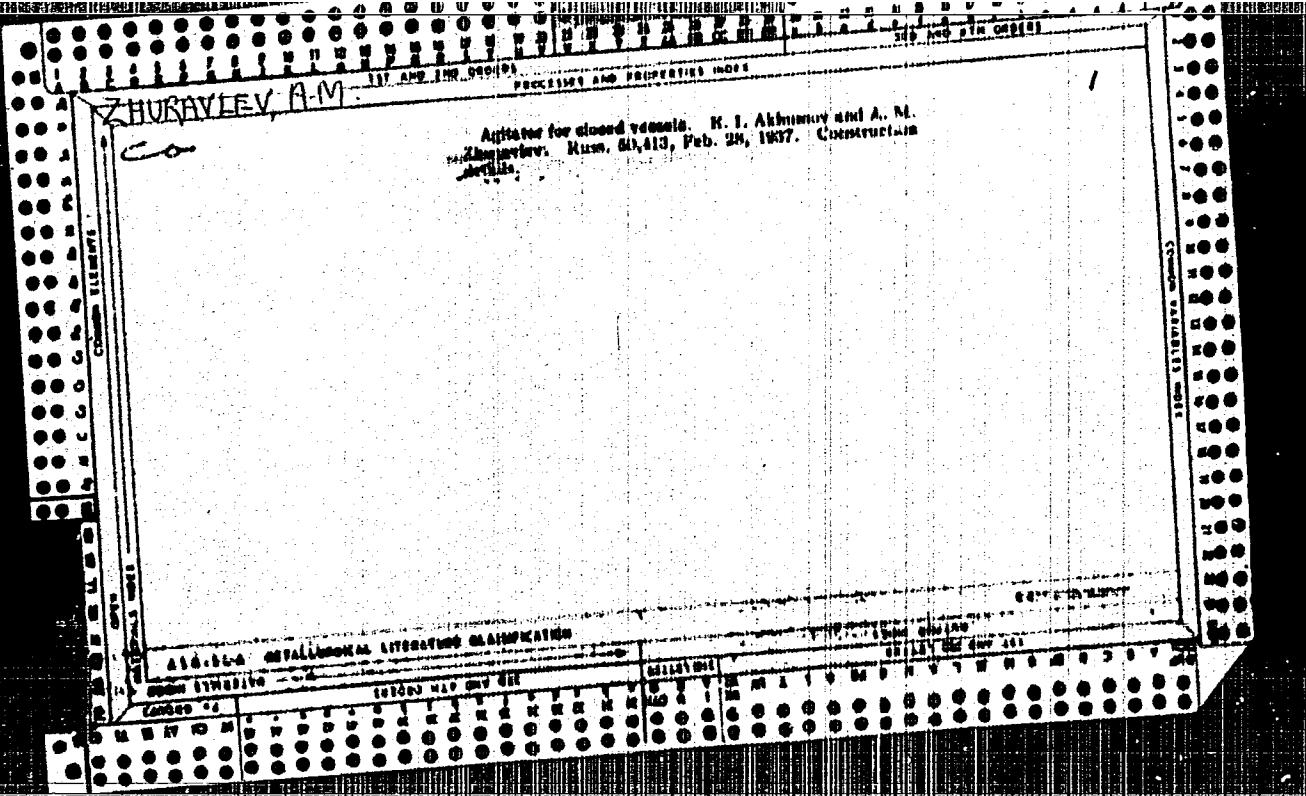
(MIRA 13:7)

(Moscow—City planning)

ZHURAVLEV, A.M., arkhitektor; FEDOROV, N.V., kand.arkhitektury

Housing development and the new way of life. Nauka i zhizn'  
27 no.9:19-22 S '60. (MIRA 13:9)  
(City planning)





VASIL'YEV, B. B., PORTNOV, M. A., ZHURAVLEV, A. M.

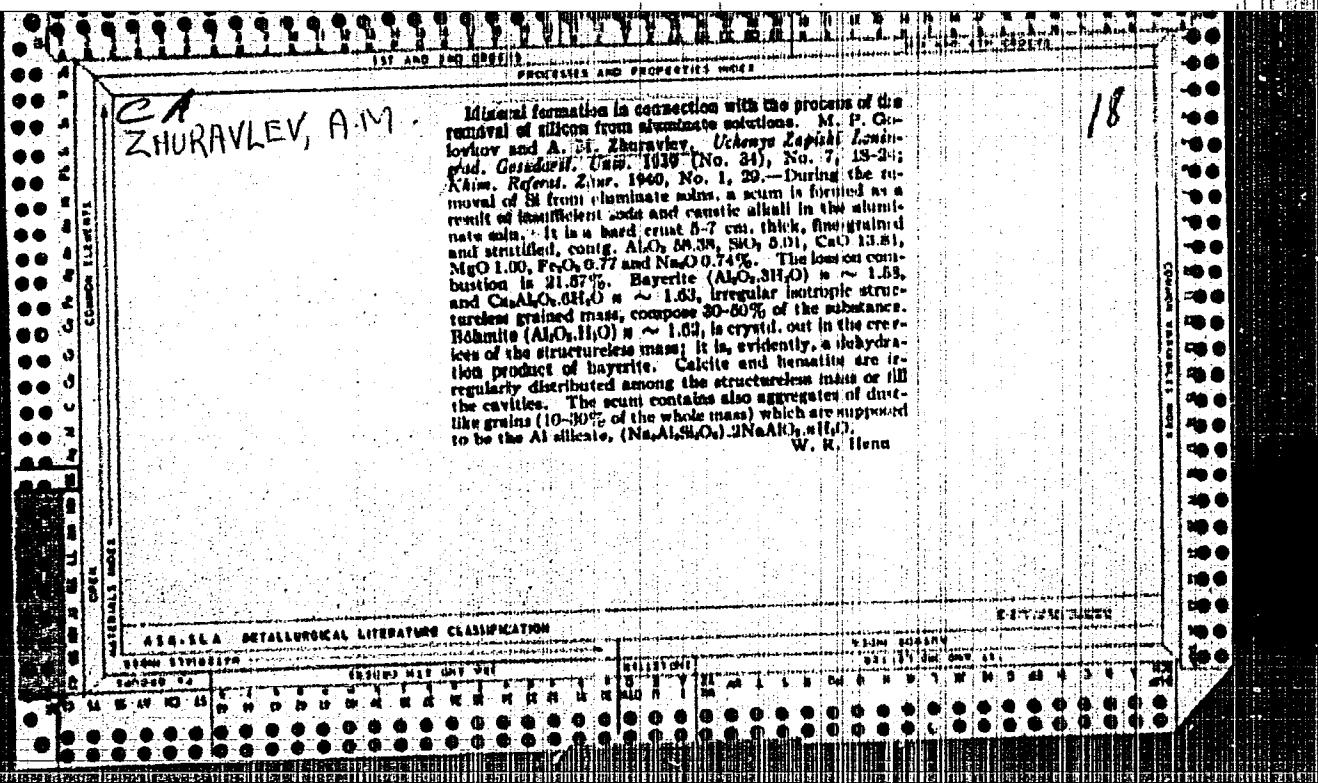
"On the Question of the Importance of Cation and Anion in the Solvation and Deliquescence Processes in Liquid Ammonia," Zhur. Obshch. Khim., 9, No. 1, 1939. State Institute of Applied Chemistry, Leningrad. Received 9 May 1938.

Report U-1517, 22 Oct 1951

ZHURAVLEV, A.M.

Thermodynamic properties of methyl alcohol. Inzh.-fiz. zhur. 6  
no.8:106-111 Ag '63. (MIRA 16:10)

1. Institut inzhenerov morskogo flota, Odessa.



ZHURAVLEV, A.M.; PERKUL', M.M.

Compiling economic geology maps of the Kuznetsk Basin. Ugol' 39  
no.1:58-60 Ja 64. (MIRA 17:3)

1. Kombinat ugol'nykh predpriyatiy Kuznetskogo kamennougol'nogo  
basseyna (for Zhuravlev). 2. Temerovskiy gornyy institut (for  
Perkul').

ZHURAVLEV, A.M. (Moskva, ul.Arkhipova, d.4, kv.9)

Amputations following poliomyelitis. Ortop., travm. i protez.  
25 no.12:44-48 D '64. (MIRA 19:1)

1. Iz Tsentral'nogo instituta protезirovaniya i protezostroyeniya  
(direktor - zasluzhennyj deyatel' nauki prof. N.P. Popov). Submitted  
March 6, 1964.

ZHURAVLEV, A.M., inzh.; KATSMAN, Z.Ya., inzh.; KNYAZEVA, N.V., inzh.; SYRNIKOVA, L.N., inzh.; TSIRIL'SON, V.A., inzh.

Mechanization of conveying operations at the "Krasnaya Krutka" shchitsa Plant. Mekh. i avtom.proizv. 19 no.2:25-25 Ju '65.  
(MIRA 1863)

5/076/63/037/001/018/029  
B101/B186

AUTHORS: Zhuravlev, A. M., Kazavchinskiy, Ya. Z.

TITLE: Thermodynamic properties of propanol.

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 1, 1963, 181 - 183.

TEXT: The following equation of state was derived for propanol:

$\sigma = \sum_i a_i \omega^i + \tau(1 + \sum_i b_i \omega^i) + (1/\tau^8) \sum_i c_i \omega^i$  (1), where  $\sigma = pV/RT_{\text{crit}}$ ;  $\tau = T/T_{\text{crit}}$ ;  $\omega$  is the reduced density,  $i = 1, 2, 3, 4, 6, 8$ . The coefficients  $a_i$ ,  $b_i$ , and  $c_i$  are tabulated. The following parameters of propanol are assumed to be critical:  $p_{\text{crit}} = 50.16$  atm;  $V_{\text{crit}} = 0.2198$  l/mole;  $T_{\text{crit}} = 263.7^\circ\text{C}$ .

The equation holds in the range of reduced densities varying from 0 to 1.6 and between 80 and 280°C. It permits of extrapolating up to 3600°C if thermal dissociation is not taken into account. The value for the specific heat is given by  $\mu_c = 4.937 + 0.069664T - 0.000027345T^2$  (kcal/mole·°C).

For lower densities of the saturated vapor ( $0 - 70^\circ\text{C}$ )  $v = 0.637 + (8.206/p)(T/100) - 5.0(T/100) - 43510(T/100)^2$ . Tables showing the thermo-

Card 1/2

Thermodynamic properties of propanol

S/076/63/037/001/018/029  
B101/B186

dynamic properties of propanol were calculated from Eq. (1). There are 4 tables.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Maritime Fleet Engineers)

SUBMITTED: June 24, 1961

Card 2/2

ZHURAVLEV, A.M., inzh.

Production line for manufacturing toilet soap. Makh.1 avton.proizv.  
16 no.7:22-25 Jl '62. (MIRA 15:8)  
(Soap industry)

ZHURAVLEV, A.M., inzh.

Mechanization and automation of cosmetic production at the "Svoboda"  
Factory. Mekh.i avtom.proizv. 14 no.10:32-36 O '60. (MIRA 13:10)  
(Cosmetics) (Automation)

ZHURAVLEV, A.M.

Automatic line for mechanical processing of toilet soap. Mekh.1  
avtom.proizv. 15 no.9:53..55 S '61. (MIRA 14:11)

1. Glavnnyy konstruktor mylovarennoy fabriki "Svoboda".  
(Soap industry—Equipment and supplies)  
(Automation)

ZHURAVLEV, A.M., inzh.

Pilot plant aerosol transportation of soap powders at the  
"Svoboda" factory. Masl.-zhir.prom. 28 no.2142-44 F '62.  
(MIRA 15:5)  
(Soap) (Aerosols) (Pneumatic-tube transportation)

ZHURAVLEV, A.M., inzh.

Use of printing and stamping automatic machines at the "Svoboda"  
factory. Masl.-zhir.prom. 26 no.10:31-32 O '60. (MIRA 13:10)

1. Fabrika "Svoboda".  
(Moscow—Oil industries—Equipment and supplies)

ZHURAVLEVA, Z.D.; ZHURAVLEV, A.M.

Use of jet mills in the sugar industry. Sakh.pron. 34  
no.3:17-20 Mr 1960. (MIRA 13:6)

1. Moskovskiy tekhnologicheskiy institut pischevoy promy-  
shlennosti.  
(Sugar industry--Equipment and supplies)

ZVYAGINTSEVA, K.M.; ZENKOV, S.N.; KOZHEVIN, V.G.; POPOV, V.E.; SENDERZON, B.N.;  
Prinimali uchastiyé: KOKORIN, P.I., prof.; KULIBABA, A.Y., dozent;  
LINDENAU, N.I.; ZHURAVLEV, A.M.; STOLBOV, N.V.; CHETYRKIN, M.I.,  
otv.red.; KOROVENKOVA, Z.A., tekhn.red.

[Kuznetsk Coal Basin; a statistical handbook] Kuznetskii ugol'nyi  
bassein; statisticheskii spravochnik. Moskva, Ugletekhizdat, 1959.  
390 p. (MIRA 12:8)

1. Kemerovo. Gornyy institut.
  2. Sotrudniki kafedry ekonomiki  
Kemerovskogo gornogo instituta (for Zvyagintseva, Popov, Kokorin,  
Kulibaba).
  3. Kombinat Kuzbassugol' (for Zenkov, Lindenau,  
Zhuravlev, Stolbov).
  4. Kemerovskiy sovnarkhoz (for Kozhevin).
  5. Sibirskoye otdeleniye AN SSSR (for Senderzon).
- (Kuznetsk Basin--Coal mines and mining--Statistics)

L 15705-65 E/F(m)/ZPP(c)/RPP/SUP(3) Pd-L/Pn-L/le-L/PL-L/PL/Arne(a)/LSD/  
157mp-2/ISD(B)-3/AFPDP 300/UR/W  
9/1964/61/0977/0796/0199

AUTHOR: Zhuravlev, A.M.

B

TITLE: Equations of state and thermodynamic properties of ethyl alcohol.

SOURCE: TVIZ. Khimika i khimicheskaya tekhnologiya, v. 7, no. 3,  
1964, 396-399

TOPIC: Eqs. ethyl alcohol, equation of state, thermodynamic property, critical pressure, critical temperature, critical volume, gaseous ethyl alcohol

ABSTRACT: The new relationships of ethanol vapor were studied; the equations of state and thermodynamic properties were obtained for

~~CONFIDENTIAL~~

the following equation was obtained for the interval  $\omega = 0-0.04$  ( $\tau = 90.6$  1/kg and over):  $a = a_0 + a_1\tau + \beta\psi$

(Card 1/3)

L 15/05-6

ACCESSION NR: AP4044741

$$\text{where } a_0 = 1.087961 \text{ and } 17.942666 \text{ cm}^2$$

$$a_1 = 1 - 1.102387 \text{ and } 17.942666 \text{ cm}^2$$

$$\beta = -0.764023 \text{ and } 1.303984 \text{ cm}^2$$

and the temperature function  $\psi$  is  $\exp(4.28(1/\tau - 1))$ . For the interval  $\omega = 0.04-1.6$  ( $\tau = 90.6 - 2.26$  1/kg):

$$a = a_0 + a_1\tau + \beta\psi + g$$

where  $\psi = 1/\tau^8$

$$\psi = \frac{d}{\tau + (\tau + h)^2} + g$$

$$d = 0.005022, a = 0.001681, \sigma = -0.021378 \text{ and } h = -0.870606$$

L 15705-65  
ACCESSION NR: AP404741

and 0.01-350 bars. The critical parameters:  $t_c = 243.2^\circ C$ ,  $p_c = 63.63$  bar,  $v_k = 0.003623 \text{ m}^3/\text{kg}$ . Orig. art. has 2 tables and 3 equations.

ASSOCIATION: Odesskii institut inzhenerov morskogo flota Kafedra termodinamiki. Odessa Institute of the Merchant Marine

LINE 00

SUB CODE: TD, OC

NR REF Sov: 009

OPHER: 008

Card 3/3

ZHURAVLEV, A.M., inzh.

Pneumatic-tube transportation in the manufacture of tooth powders.  
Masli-zhir.prom. 27 no.1:31-33 Ja '61. (MIRA 14:1)

1. Moskovskaya Fabrika "Svoboda."  
(Pneumatic-tube transportation)  
(Toilet preparations)

SOV/I18-59-3-4/22

28(1)  
AUTHOR:

Zhuravlev, A.M., Engineer

TITLE:

Pneumatic Transportation in the Factory "Svoboda"  
(Pnevmaticheskiy transport na fabrike "Svoboda")

PERIODICAL: Mekhanizatsiya i avtomatzatsiya proizvodstva, 1959,  
Nr 3, pp 11-15 (USSR)

ABSTRACT:

In recent years the use of pneumatic transportation for free flowing materials is steadily increasing, although it consumes more electric power than the technical method of transportation. The staff of the "Svoboda" Soap-Cosmetics Factory in Moscow, together with the Technological Institute in Moscow, has prepared and carried out a project for pneumatic transportation in the dental powder industry. It consists of two systems. The first one is intended to transport the chalk from the store house into the shop, the second for transportation of chalk and dental powder within the shop. With the aid of pneumatic transportation it became possible to eliminate

Card 1/2

Pneumatic Transportation in the Factory "Svodboda"

SOV/118-59-3-4/22

work, carried out in the open air. This method of transportation, which enables better production, economizes on space, gives better sanitary conditions for the workers and raises their labor productivity. There are 6 graphs.

Card 2/2

ZHURAVLEV, A. M.

Thermodynamic properties of ethyl alcohol in the liquid phase  
at moderate pressures. Izv. vys. ucheb. zav.; khim. i khim.  
tekh. 5 no.5:739-742 '62. (MIRA 16:1)

1. Odesskiy institut inzhenerov morskogo flota, kafedra  
termodynamiki.

(Ethyl alcohol—Thermodynamic properties)

ZHURAVLEV, A.M.

Equations of state and the thermodynamic properties of ethyl alcohol. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7, no.3: 396-399 '64. (MIRA 17:10)

1. Odesskiy institut inzhenerov morskogo flota, kafedra termodynamiki.

ZHURAVLEV, A.N.

Aviation - 14

PFA

S/025/60/000/008/009/010  
8011/8034

AUTHOR: None given

TITLE: A Seminar on Problems of Automation and Mechanization of Technical Control

PERIODICAL: Standardstseliya, 1960, No. 6, pp. 52 - 53

TEXT: A seminar on the subject "Automation and Mechanization of Technical Control in Mechanical Works Departments" was held at the Moskovsky Dom nauchno-tehnicheskoy propagandy im. F. E. Dzerzhinskogo (Moscow House of Scientific and Technical Propaganda named F. E. Dzerzhinskij). The seminar was attended by representatives of individual factories, scientific research institutes, and other organizations. A. N. Zhuravlev, a scientific research worker of the Moskovsky aviatechnichnyj institut im. S. Ordzhonikidze [Moscow Aviation Institute named S. Ordzhonikidze], delivered a report on the prospects of development of measuring tools in machine construction within the Seven-year Plan. Engineer A. V. Selcug spoke about the "Organization of Technical Control at the Present State of Technology and Production Technique". Ye. M. Dobrynin, Candidate of Technical Sciences, spoke about the state and prospects of the development of automatic means for the control and regulation of production, and mentioned in this connection the Moskovsky plant "Zispritor" (Moscow Plant "Zispritor"). Ye. M. Karlov, Candidate of Technical Sciences, of the Bureau "vainosamennyj nauchno-tekhnicheskoy promyshlennosti" (Bureau of Interchangeability in the Metallworking Industry) reported on the state and prospects of the development of automation and mechanization of the control of gear-tooth systems. A. N. Zhuravlev, Candidate of Technical Sciences, spoke about problems of automation and mechanization of the control of threads.

Card 2/2

ANDRIANOV, D.P., doktor ekon. nauk, prof.; GENDEL'MAN, M.Z.,  
kand. tekhn. nauk, dots.; GLICHEV, A.V., kand. ekon.  
nauk, dots.; DIDENKO, S.I., kand. ekon. nauk, dots.;  
ZHURAVLEV, A.N., kand. tekhn.nauk, prof.; ZAKHAROV,  
K.D., kand. tekhn.nauk, dots.; MOISEYEV, S.V., kand.  
tekhn. nauk, dots.; OL'SHEVETS, L.M., kand. tekhn.  
nauk, dots.; ORLOV, N.A., prof.; POPOV, P.G., ispolnyayu-  
yushchiy obyazannosti dots.; SARKISYAN, S.A., kand. ekon.  
nauk, dots.; STARIK, D.E., kand. tekhn.nauk, ispolnyayu-  
shchiy obyazannosti dots.; TER-MARKARYAN, A.N., kand.  
tekhn. nauk, prof.; TIKHOMIROV, V.I., kand. tekhn.nauk,  
prof.; CHESNOKOV, V.V., kand. ekon. nauk, dots.;  
SHERMAN, Ye.I., kand. ekon. nauk, dots.; EL'BERT, L.M.,  
kand. ekon. nauk, dots.; LAPSHIN, A.A., dots., retsenzent;  
NOVATSKIY, V.F., kand. ekon. nauk, red.; TUYANSKAYA, F.G.,  
red. izd-va; KARPOV, I.I., tekhn. red.

[Organization, planning and economics of airplane produc-  
tion] Organizatsiya, planirovanie i ekonomika aviationsonnogo  
proizvodstva. [By] D.P.Andrianov i dr. Moskva, Oborongiz,  
1963. 694 p. (MIRA 16:10)

(Airplane industry--Management)

ZHURAVLEV, Aleksey Nikitovich; SAVOSTIN, A.I., nauchn. red.;  
KONCHA, T.F., red.; NESMYSLOVA, L.M., tekhn. red.

[Tolerances and technical measurements] Dopuski i tekhnicheskie izmereniia. Moskva, Proftekhizdat, 1963. 171 p.  
(MIRA 17:2)

PHASE I BOOK EXPLOITATION

SOV/6558

Andrianov, D. P., M. Z. Gendel'man, A. V. Glichev, S. I. Didenko,  
A. N. Zhuravlev, K. D. Zakharov, S. V. Moiseyev, L. M. Ol'shevets,  
N. A. Orlov, P. G. Popov, S. A. Sarkisyan, D. E. Starik, A. N.  
Ter-Markaryan, V. I. Tikhomirov, V. V. Chesnokov, Ye. I. Sherman,  
and L. M. El'bert.

Organizatsiya, planirovaniye i ekonomika aviatsionnogo proizvodstva  
(Organization, Planning, and Economics of the Aircraft Industry)  
Moscow, Oborongiz, 1963. 694 p. Errata slip inserted. 5000 copies  
printed.

Ed. (Title page): L. M. Ol'shevets, Candidate of Technical Sciences,  
Docent and N. A. Orlov, Professor; Reviewer: A. A. Lapshin, Docent;  
Ed.: V. F. Novatskiy, Candidate of Economical Sciences; Ed. of  
Publishing House: F. G. Tubanskaya; Tech. Ed.: I. I. Karpov;  
Managing Ed.: L. A. Gil'berg.

PURPOSE: This textbook is intended for students of aircraft engineering  
schools of higher education. It may also be useful to engineering  
personnel of aircraft industry.

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3

Organization, Planning (Cont.)

SOV/6558

COVERAGE: The book presents a comprehensive review of problems connected with economics of the aircraft industry and with the organization and planning of aircraft production. Concrete problems of organization of work at aircraft enterprises are analyzed as they apply to various types of aircraft plants, e.g., aircraft construction plants, engine manufacturing plants, instrument-making plants. Specific features of the organization and planning of production in industrial and experimental plants are outlined. The Introduction and Ch. I, II, and XI were written by Professor N. A. Orlov; Ch. III by Docent S. V. Moiseyev, Cand. of Techn. Sciences; Ch. IV and XIX by Docent S. A. Sarkisyan, Cand. of Econ. Sciences; Ch. V and X by Docent D. E. Starik, Cand. of Techn. Sciences; Ch. VI by Docent P. G. Popov; Ch. VII by Docents Ye. I. Sherman, Cand. of Econ. Sciences, and K. D. Zakharov, Cand. of Techn. Sciences; Ch. VIII by Docent M. Z. Gendel'man, Cand. of Techn. Sciences, Docent A. V. Glichev, Cand. of Economic Sciences, and Professor A. N. Ter-Markaryan, Cand. of Techn. Sciences; Ch. IX by Professor A. N. Zhuravlev, Cand. of Tech. Sciences; Ch. XII and XIII by Professor D. P. Andrianov, Doctor of Econ. Sciences; Ch. XIV by Professor V. I. Tikhomirov, Cand. of

Card 2/16

Organization, Planning (Cont.)

SOV/6558

. Techn. Sciences; Ch. XV, XVI, XVII, XXII by Docent L. M. OI'shevets,  
Cand. of Techn. Sciences; Ch. XVIII and XXI by Docent S. I. Didenko,  
Cand. of Econ. Sciences; Ch. XX and XXIV by Docent L. M. El'bert,  
Econ. Sciences; Ch. XXIII by Docent V. V. Chesnokov, Cand. of  
of authors and completed the scientific editing. Each part of the  
book is accompanied by references, all Soviet, and in addition there  
are 9 Soviet references relating to the whole book.

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3

ZHURAVLEV, Aleksey Nikitovich; KONCHA, F.F., red.

[Tolerances and technical measurements] Dopuski i tekhnicheskie izmereniia. Izd.2. Moskva, Vysshiaia shkola, 1965. 183 p. (MIRA L. 2)

ZHURAVLEV, A.N.

TABLE I. BOOK EXPOSITION		507/1939
Technical Exposition. 1. Schatzkriterien. Kriterijia, v usloviyakh tehnicheskikh mernikov i mernicheskikh ustroystv. No. 2 (Unreliability and Engineering Measurements in Measuring Instruments). University Collection, no. 21, Moscow, March 1960. 542 p. Printed only in Soviet Union. 5,000 copies printed.		
Ed.: A.N. Zhuravlev [Chairman], N.A. Novik [Editorial Council], A.I. Vlasov [Chairman], N.A. Novik [Editor of Technical Sciences], V. G. Gulyayev [Editor of Technical Sciences], and S.P. Fomichev [Editor]. Optical Metrology. Method for Large Parts. 352		
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